

Product datasheet for **MR224261**

Prdm9 (NM_144809) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prdm9 (NM_144809) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prdm9
Synonyms:	BC012016; Dsbc1; G1-419-29; Meissetz; PRDM9-B; Rcr1; repro7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR224261 representing NM_144809
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCCTGCACCATGAACACCAACAAGCTGGAAGAAAATAGTCCTGAAGAAGATACAGGGAAATTCGAGT
 GGAAACCCAAGGTCAAAGATGAATTCAAAGACATTTCCATATACTTCTCCAAAGAAGAATGGGCAGAGAT
 GGGAGAGTGGGAGAAAATTCGCTATAGAAATGTGAAAAGGAACTATAAAATGCTGATTTCAATAGGTCTC
 AGAGCCCCTAGACCAGCTTTTCATGTGTTACCAAAGGCAAGCAATGAAACCCCAAATAAATGACAGTGAGG
 ATTCTGATGAAGAGTGGACACCTAAGCAACAAGTCAGTCTCCTTGGGTGCCTTTCCGGGTGAAGCACAG
 TAAACAGCAGAAGGAATCATCTAGAATGCCATTTAGTGGTGAATCTAATGTGAAGGAAGGGTCTGGAATA
 GAAAATTTGCTGAATAACAAGTGGCTCAGAACACGTCCAGAAACCAGTGCCTCCCTTGAAGAAGGAAATA
 CCTCTGGACAGCACTCTGGGAAAAAAGTAACTTAGGAAAAAGAACGTTGAAGTAAAAATGTACAGGCT
 GCGAGAGAGAAAAGGCCCTTGCCATGAGGAGGTCAGCGAGCCTCAGGATGATGACTATCTCTATTGTGAG
 AAGTGCCAGAATTTCTTCATCGACAGTTGTCCCAACCATGGGCCCTCTTTATTTGTAAAAGACAGTATGG
 TGGACAGGGGGCATCCCAACCACTCAGTCTCAGTCTGCCCCCTGGGCTAAGAATTAGTCCATCGGGCAT
 CCCTGAAGCTGGACTTGGAGTATGGAATGAAGCATCTGATCTACCAAGTCCGGTCTGCACTTTGGCCCTAT
 GAGGGTCAGATCACAGAGGATGAAGAGGCGACCAACAGTGGTACTCCTGGCTGATTACCAAGGGAAGAA
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 CTCTTTGGCCTTCTCAAGTCAGAAATTCCTCACTCAACATATGGAATGGAATCATCGCACTGAAATCTTC
 CCAGGAACATCTGCAAGAATAAATCCTAAACCAGGAGATCCCTGTTTCAGATCAGTTCAGGAACAACATG
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 AGGACACACACAGGGGAGAAGCCCTATGTTTGCAGGGAGTGTGGCGGGGCTTTACACAGAAGTACAGCC
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 GGAGAAGCCCTATGTTTGCAGGGAGTGTGGGTGGGCTTTACACAGAAGTCAAGCACCAGAGGACACACAGG
 AGGACACATACAAGAGAGAAG

ACCGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR224261 representing NM_144809
 Red=Cloning site Green=Tags(s)

MSCTMNTNKL EENSPEEDTGKFEWPKVKDEFKDISIYFSKEEWAEMGEWEKIRYRNVKRNKYKMLISIGL
 RAPRPAFCYQRQAMKPQINDSEDSDEEWTPKQQVSPWPFRVKHKSQQKSSRMPFSGESNVKEGSGI
 ENLLNTSGSEHVQKPVSSLEEGNTSGQHS GKKLKLRKKNVVVKMYRLRERKGLAYEEVSEPQDDDYLYCE
 KCQNFFIDSCP NHGPPLFVKDSMVDRGHPNHSVLSLPPGLRISPSGIPEAGLGVWNEASDLPVGLHFGPY
 EGQITED EEAANS GYSWLI TKGRNCYEYVDGQDESQANWMRYVNCARDEEQNLVAFQYHRKIFYRTRCV
 IRPGCELLVWYGDEY GQELGIKWGSKMKKGFTAGREL RTEIHPCLLCSLAFSSQKFLTQHMEWNH RTEIF
 PGT SARINPKPGDPCSDQLQE QHVDSQNKNDKASNEVKRKRKSKPRQRI STTFPSTLKEQMRSEESKRTVEE
 LRTGQTTNTEDTVKSFIASEISSIERQCGQYFSDKSNVNEHQKTHTEKPYVCRECGRGFTQNSHLIQHQ
 RTHTEKPYVCRECGRGFTQKSDLIKHQRTHTGEKPYVCRECGRGFTQKSDLIKHQRTHTGEKPYVCREC
 GRGFTQKSVL IKHQRTHTGEKPYVCRECGRGFTQKSVL IKHQRTHTGEKPYVCRECGRGFTAKSVLIQH
 RTHTEKPYVCRECGRGFTAKSNLIQHRTHTGEKPYVCRECGRGFTAKSVLIQHRTHTGEKPYVCREC
 GRGFTAKSVLIQHRTHTGEKPYVCRECGRGFTQKSNL IKHQRTHTGEKPYVCRECGWGTQKSDLIQHQ
 RTHTREK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

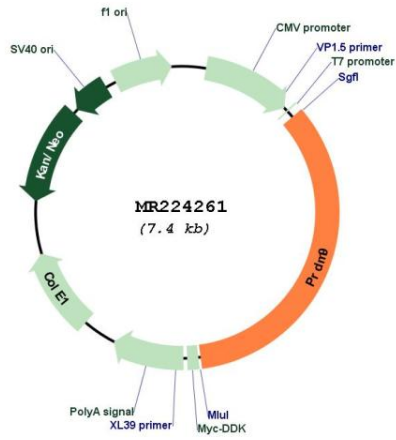
Sgfl-MluI

Cloning Scheme:



ACCN:	NM_144809
ORF Size:	2541 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_144809.2, NP_659058.2</u>
RefSeq Size:	3460 bp
RefSeq ORF:	2544 bp
Locus ID:	213389
Cytogenetics:	17 A2
MW:	98.2 kDa

Product images:



Circular map for MR224261